



## Capital University of Science and Technology

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### **Two Days Hand-on Workshop on SPSS**

Office of Research, Innovation and Commercialization (ORIC) in collaboration with Dean Faculty of Health & Life Sciences (FHLS) organized “Two-Days Hands-on Workshop on SPSS” on 29<sup>th</sup> December, 2022 and 05<sup>th</sup> January, 2023 in Instructions Lab-6, M-Block. The purpose of the workshop was to equip participants with the most updated knowledge about statistical/quantitative analysis using SPSS with practical illustrations.

SPSS is one of the most widely available/powerful statistical software packages that covers a broad range of statistical procedures and allow researcher to summarize data (compute means and standard deviations), determine significant differences between groups (t-tests, analysis of variance), examine relationships among variables (correlation, multiple regression), and graphical presentation of data. Some of the key topics covered in the workshop were:

1. Data Entry: Manually and from Excel
2. Editing and Organizing Datasets
3. Data Transformations
4. Descriptive Statistics
5. Graphical Displays
6. Procedures for Exploring Relationships
7. Simple & Multiple linear Regression Analyses
8. Mediation and Moderation Analyses



The workshop was conducted by Dr. Sohail Rizwan from Fatima Jinnah Women University (FJWU), Rawalpindi. A total of 15 participants including students from Biosciences/Bioinformatics/Microbiology Departments attended the workshop. The response of participants was quite promising and workshop proved to be a great source of hands-on knowledge to the participants.

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